

SEQUENCE LISTING

<110> Sundaresan, Venkatesan
Tantikanjana, Titima

<120> Gene Controlling Shoot Branching in Plants

<130> 2577-135

<140> Not Yet Assigned

<141> 2000-05-01

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 1614

<212> DNA

<213> Arabidopsis thaliana

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<221> CDS

<222> (1)..(1611)

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Phe Ile Leu Ser Met Ala Ser Ile Thr Leu Leu Gly Arg Ile Leu Ser
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agg ccc acc aaa acc aaa gac cga tct tgc cag ctt cct cct ggc cca 144
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cca gga tgg ccc atc ctc ggc aat cta ccc gaa cta ttc atg act cgt 192
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cct agg tcc aaa tat ttc cgc ctt gcc atg aaa gag cta aaa aca gat 240
Pro Arg Ser Lys Tyr Phe Arg Leu Ala Met Lys Glu Leu Lys Thr Asp
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 Ile Ala Cys Phe Asn Phe Ala Gly Ile Arg Ala Ile Thr Ile Asn Ser
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gac gag agc gct aga gaa gcg ttt aga gag cga gac gca gat ttg gca 336
 Asp Glu Ser Ala Arg Glu Ala Phe Arg Glu Arg Asp Ala Asp Leu Ala
 100 105 110

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 Asp Arg Pro Gln Leu Phe Ile Met Glu Thr Ile Gly Asp Asn Tyr Lys
 115 120 125

tca atg gga att tca ccg tac ggt gaa caa ttc atg aag atg aaa aga 432
 Ser Met Gly Ile Ser Pro Tyr Gly Glu Gln Phe Met Lys Met Lys Arg
 130 135 140

gtg atc aca acg gaa att atg tcc gtt aag acg ttg aaa atg ttg gag 480
 Val Ile Thr Thr Glu Ile Met Ser Val Lys Thr Leu Lys Met Leu Glu
 145 150 155 160

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 Tyr Gly Tyr Ala Val Thr Met Arg Met Leu Phe Gly Arg Arg His Val
 195 200 205

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 Lys His His Leu Glu Val Ile Phe Asn Thr Leu Asn Cys Leu Pro Ser
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gat ggt caa gag aag agg gtg aca gag aac tgt aac att gtt cgt agt 816

Asp Gly Gln Glu Lys Arg Val Thr Glu Asn Cys Asn Ile Val Arg Ser
 260 265 270

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 Tyr Asn Asn Pro Ile Ile Asp Glu Arg Val Gln Leu Trp Arg Glu Glu
 275 280 285

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 370 375 380

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 His Ile His Val Cys Arg Pro Gly Leu Gly Arg Asn Pro Lys Ile Trp
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Phe Ser Thr Gly Arg Arg Gly Cys Ile Gly Val Lys Val Gly Thr Ile
465 470 475 480

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Leu Leu Met Ala Lys Pro Leu His Leu Ser Val Glu Pro Arg Leu Ala
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<213> Arabidopsis thaliana

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Arg Pro Thr Lys Thr Lys Asp Arg Ser Cys Gln Leu Pro Pro Gly Pro
35 40 45

Pro Gly Trp Pro Ile Leu Gly Asn Leu Pro Glu Leu Phe Met Thr Arg
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Pro Arg Ser Lys Tyr Phe Arg Leu Ala Met Lys Glu Leu Lys Thr Asp
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Ile Ala Cys Phe Asn Phe Ala Gly Ile Arg Ala Ile Thr Ile Asn Ser
85 90 95

Asp Glu Ser Ala Arg Glu Ala Phe Arg Glu Arg Asp Ala Asp Leu Ala
100 105 110

Asp Arg Pro Gln Leu Phe Ile Met Glu Thr Ile Gly Asp Asn Tyr Lys
115 120 125

Ser Met Gly Ile Ser Pro Tyr Gly Glu Gln Phe Met Lys Met Lys Arg
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Val Ile Thr Thr Glu Ile Met Ser Val Lys Thr Leu Lys Met Leu Glu
145 150 155 160

Ala Ala Arg Thr Ile Glu Ala Asp Asn Leu Ile Ala Tyr Val His Ser
165 170 175

Met Tyr Gln Arg Ser Glu Thr Val Asp Val Arg Glu Leu Ser Arg Val
180 185 190

Tyr Gly Tyr Ala Val Thr Met Arg Met Leu Phe Gly Arg Arg His Val
195 200 205

Thr Lys Glu Asn Val Phe Ser Asp Asp Gly Arg Leu Gly Asn Ala Glu
210 215 220

Lys His His Leu Glu Val Ile Phe Asn Thr Leu Asn Cys Leu Pro Ser
225 230 235 240

Phe Ser Pro Ala Asp Tyr Val Glu Arg Trp Leu Arg Gly Trp Asn Val
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Asp Gly Gln Glu Lys Arg Val Thr Glu Asn Cys Asn Ile Val Arg Ser
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Tyr Asn Asn Pro Ile Ile Asp Glu Arg Val Gln Leu Trp Arg Glu Glu
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Gly Gly Lys Ala Ala Val Glu Asp Trp Leu Asp Thr Phe Ile Thr Leu
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Lys Asp Gln Asn Gly Lys Tyr Leu Val Thr Pro Asp Glu Ile Lys Ala
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Gln Cys Val Glu Phe Cys Ile Ala Ala Ile Asp Asn Pro Ala Asn Asn
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Met Glu Trp Thr Leu Gly Glu Met Leu Lys Asn Pro Glu Ile Leu Arg
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Lys Ala Leu Lys Glu Leu Asp Glu Val Val Gly Arg Asp Arg Leu Val
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Gln Glu Ser Asp Ile Pro Asn Leu Asn Tyr Leu Lys Ala Cys Cys Arg
370 375 380

Glu Thr Phe Arg Ile His Pro Ser Ala His Tyr Val Pro Ser His Leu
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Ala Arg Gln Asp Thr Thr Leu Gly Gly Tyr Phe Ile Pro Lys Gly Ser
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His Ile His Val Cys Arg Pro Gly Leu Gly Arg Asn Pro Lys Ile Trp
420 425 430

Lys Asp Pro Leu Val Tyr Lys Pro Glu Arg His Leu Gln Gly Asp Gly
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Leu His Gln Asp Phe Gly Pro Leu Ser Leu Glu Glu Asp Asp Ala Ser
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Pro Asn Leu Tyr Pro Lys Phe Arg Pro
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